

5/22/01

L2 ANSWER 2 OF 2 JAPIO COPYRIGHT 2001 JPO
AN 1990-036734 JAPIO
TI VOLTAGE CONTROLLER FOR VEHICLE GENERATOR
IN MARUYAMA TOSHINORI; MATSUHASHI TOSHIKI
PA NIPPON DENSO CO LTD, JP (CO 000426)
PI JP 02036734 A 19900206 Heisei
AI JP1988-186558 (JP63186558 Heisei) 19880726
SO PATENT ABSTRACTS OF JAPAN, Unexamined Applications, Section: E, Sect. No. 918, Vol. 14, No. 19, P. 21 (19900418)
IC ICM (5) H02J007-24
ICS (5) H02P009-30
AB PURPOSE: To suppress the battery dark current when there is no leak current by operating a switching means for connecting a leak compensation resistor based on the output from a comparator for comparing the input terminal voltage with a constant voltage.
CONSTITUTION: When an ignition switch 3 is not leaking current, voltage at the input terminal L is lower than a predetermined level and a switching means 14 does not function and thereby the current of a battery 5 is not consumed uselessly. When current leaks through the ignition switch 3, voltage at the input terminal L exceeds over the predetermined level. Consequently, a comparison means 12 produces an output signal and operates the switching means 14 to connect a leak compensation resistor 143 between the input terminal L and the earth. As a result, the leak current is absorbed and voltage rise at the input terminal L is prevented.

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L2 ANSWER 1 OF 2 WPIX COPYRIGHT 2001 DERWENT INFORMATION LTD
AN 1990-081250 [11] WPIX
TI Voltage controller for car power generator - has switch for connecting
current by-pass resistor between battery and ground NoAbstract Dwg 1/7.
DC X13 X22
PA (NPDE) NIPPONDENSO CO LTD
CYC 1
PI JP 02036734 A 19900206 (199011)* 8p <--
ADT JP 02036734 A JP 1988-186558 19880726
PRAI JP 1988-186558 19880726
IC H02J007-24; H02P009-30
FS EPI
FA NOAB; GI
MC EPI: X13-G02A; X22-F02

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L1 ANSWER 1 OF 1 INPADOC COPYRIGHT 2001 EPO

PATENT FAMILY INFORMATION

AN 56791621 INPADOC

PRIORITY (1): JP 1988-186558

A 19880726

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JP 1988-186558 A 19880726

+-----PI-----+

JP 02036734 A2 19900206

JP 2707616B B2 19980204

:end

	Search Text
1	(("4374380") or ("4284936") or ("4973896") or ("4354182") or ("5015918") or ("5936317") or ("5343844") or ("3914092") or ("5923095") or ("6054818") or ("6037726") or ("4247813") or ("5384516") or ("5412378") or ("4500977") or ("6140915") or ("5092602") or ("5486002") or ("5290037") or ("5563479") or ("5051666") or ("5581172") or ("5872721") or ("3755709") or ("4224562") or ("5511087") or ("5636233") or ("5778017") or ("4894553") or ("5842300") or ("5260641") or ("5606226") or ("5686819") or ("4825647") or ("5903104") or ("6166525") or ("4280161") or ("5398024") or ("6204643") or ("5705807") or ("6137237") or ("5587865") or ("5635723") or ("5619108") or ("4665397") or ("4931789") or ("4573046") or ("5642626") or ("5563578") or ("4398128")) .PN.
2	("322/28").CCLS.
3	((("322/28").CCLS.) and ("light emitting diode" or "LED"))
4	((("322/28").CCLS.) and (light near emitting near diode))
5	((("322/28").CCLS.) and "LED")
6	((("322/28").CCLS.) and "lamp")
7	voltage near regulator and ("light emitting diode" or "LED")
8	voltage near regulator and ("light emitting diode")
9	(voltage near regulator and ("light emitting diode")) and "switch"
10	322/\$.ccls. and voltage near regulator and "light emitting diode"
11	JP-2707616-\$.did.
12	JP-02707616-\$.did.

	Search Text
13	JP-20707616-\$.did.
14	JP-02707616-\$.did.
15	JP-02036734-\$.did.
16	(("5491400") or ("5581172") or ("5923095") or ("5932993") or ("5900721") or ("6005372") or ("6204643")) .PN.
17	("4570199") .PN.

CLIPPEDIMAGE= JP402036734A
PAT-NO: JP402036734A
DOCUMENT-IDENTIFIER: JP 02036734 A
TITLE: VOLTAGE CONTROLLER FOR VEHICLE GENERATOR

PUBN-DATE: February 6, 1990

INVENTOR-INFORMATION:

NAME
MARUYAMA, TOSHINORI
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ASSIGNEE-INFORMATION:

NAME COUNTRY
NIPPON DENSO CO LTD N/A

APPL-NO: JP63186558
APPL-DATE: July 26, 1988

INT-CL (IPC): H02J007/24; H02P009/30
US-CL-CURRENT: 307/107

ABSTRACT:

PURPOSE: To suppress the battery dark current when there is no leak current by operating a switching means for connecting a leak compensation resistor based on the output from a comparator for comparing the input terminal voltage with a constant voltage.

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